

Datasheet for ABIN3029313
anti-Tuberin antibody (AA 1397-1426)



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3 Images

Overview

Quantity:	0.4 mL
Target:	Tuberin (TSC2)
Binding Specificity:	AA 1397-1426
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 1397-1426 from the human protein was used as the immunogen for this TSC2 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	Tuberin (TSC2)
Alternative Name:	TSC2 (TSC2 Products)
Background:	Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative

Target Details

	splicing results in multiple transcript variants encoding different isoforms.
UniProt:	P49815
Pathways:	RTK Signaling, AMPK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Cell Size, Tube Formation, Protein targeting to Nucleus

Application Details

Application Notes:	Titration of the TSC2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:25,Western blot: 1:1000
Restrictions:	For Research Use only

Handling

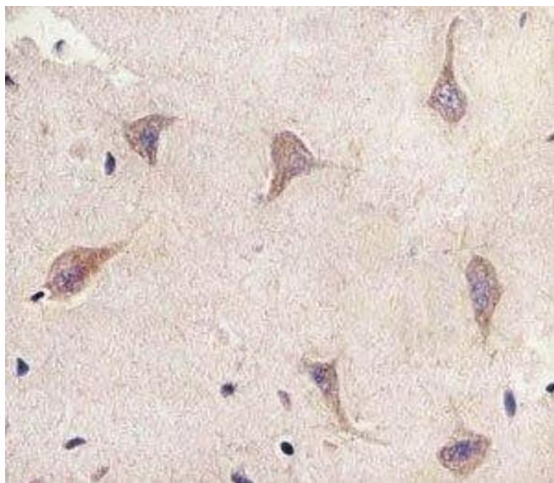
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the TSC2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



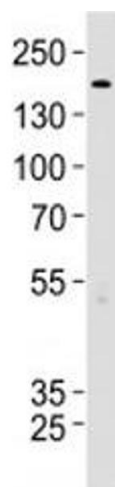
Western Blotting

Image 1. TSC2 antibody western blot analysis in 293 lysate. Predicted molecular weight ~200 kDa.



Immunohistochemistry

Image 2. IHC analysis of FFPE human brain section using TSC2 antibody; Ab was diluted at 1:25.



Western Blotting

Image 3. TSC2 antibody western blot analysis in 293 lysate. Predicted molecular weight ~200 kDa.